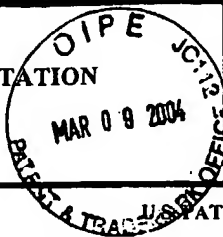


# INFORMATION DISCLOSURE CITATION

(Use several sheets if necessary)



Docket Number (Optional) <b>SYNT-P001US</b>	Application Number <b>10/614,428</b>
Applicant(s) <b>Stephen S. Navran, et al.</b>	
Filing Date <b>07/07/2003</b>	Group Art Unit

## U.S. PATENT DOCUMENTS

*EXAMINER INITIAL	REF	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	A	<del>6,080,581</del>	<del>06/27/2000</del>	<del>Anderson, et al.</del>			
	B	<del>5,637,477</del>	<del>06/10/1997</del>	<del>Spaulding, et al.</del>			
	C	<del>5,026,650</del>	<del>06/25/1991</del>	<del>Schwartz, et al.</del>			
<i>Me</i>	D	5,962,324	10/05/1999	O'Connor et al.	435	394	

## FOREIGN PATENT DOCUMENTS

	REF	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	Translation	
							YES	NO

## OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

<i>Me</i>	AA	Alper, Joseph	Searching for Medicine's Sweet Spot in Science 291:2338, 2001
<i>Me</i>	BB	Bolton, A.E., Clough, K.J., Stoker, R.J., Pockley, A.G., Mowles, E.A., Westwood, O.M.R., and Chapman, M.G.	Identification of placenta protein 14 as an immunosuppressive factor in human reproduction. Lancet 1:593-595, 1987










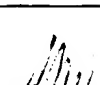

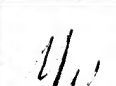
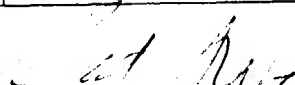
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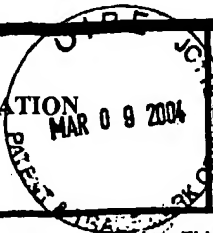
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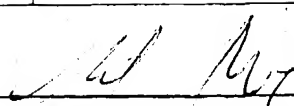
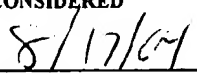
EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP Section 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<b>INFORMATION DISCLOSURE CITATION</b> (Use several sheets if necessary)		DOICE JC12 MAR 09 2004 RECEIVED	Docket Number (Optional) <b>SYNT-P001US</b>	Application Number <b>10/614,428</b>
Applicant(s) <b>Stephen S. Navran, et al.</b>			Filing Date <b>07/07/2003</b>	Group Art Unit
*EXAMINER INITIAL	OTHER DOCUMENTS <i>(Including Author, Title, Date, Pertinent Pages, Etc.)</i>			
	CC	Cherry, R. and Papoutsakis, E.T., Physical Mechanisms of Cell Damage in Microcarrier Cell Culture Bioreactors. Biotechnol. Bioeng. 32:1001-1004, 1988		
	DD	Cherry, R.S. and Hulte, C.T., Cell Death in the Thin Films of Bursting Bubbles. Biotechnol. Prog. 8:11-18, 1992		
	EE	Croughan, M. and Wang, D.I.C., Growth and death in overagitated microcarrier cell cultures. Biotechnol. Bioeng. 33:731-744, 1989		
	FF	Curling, E.M., Hayter, P.M., Baines, A.J., Bull, A.T., Gull, K., Strange, P.G., and Jenkins, N. Recombinant human interferon-γ. Differences in glycosylation and proteolytic processing lead to heterogeneity in batch culture. Biochem. J. 272:333-337. 1990		
	GG	Duray, P.H., Hatfill, S.J., and Pellis, N.R., Tissue Culture in Microgravity, Science & Medicine, May/June 1997		
	HH	Furmanski, P., A pregnant possibility: Crossing fetal tolerance with hematopoiesis. Am. J. Pathol. 145:1485-1495, 1994		
	II	Goodwin, T.J., Prewitt, T.L., Wolf, D.A. and Spaulding, G.F., Reduced Shear Stress: A Major Component in the Ability of Mammalian Tissues to Form Three- Dimensional Assemblies in Simulated Microgravity. J.Cell Biochem. 51:310-311, 1993		
	JJ	James, D.C., Freeman, R.B., Hoare, M., Ogonah, O.W., Rooney, B.C., Larionov, O.A., Dobrovolsky, V.N., Lagutin, O.V., Jenkins, N. N-Glycosylation of Recombinant Human Interferon-γ Produced in Different Animal Expression Systems. Biotechnology 13:592-596, 1995		
	KK	<del>Julkunen, M., Seppala, M. and Janne, O.A. Complete amino acid sequence of human placental protein 14. A progesterone-regulated uterine protein homologous to h-lactoglobulins. Proc. Natl. Acad. Sci. USA 85:8845-8849, 1988.</del>		
	LL	Julkunen, M., Wahlstrom, T., Seppala, M., Kolstinen, R., Koskimies, A., Stenmar, U.H., and Bohn, H., Detection and Localization of Placental Protein 14-Like Protein in Human Seminal Plasma and in the Male Genital Tract. Arch Androl. 12 (Suppl):59-67, 1984		
	MM	Kunas, K.T., and Papoutsakis, E.T. Damage mechanisms of suspended animal cells in agitated bioreactors with and without bubble entrainment. Biotechnol. Bioeng. 36:476-483, 1990		
	NN	Maeder, T., Sweet Medicines, Scientific American, p.40-47, July 2002		
EXAMINER 		DATE CONSIDERED <b>8/17/04</b>		
*EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP Section 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.				

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Applicant(s) <b>Stephen S. Navran, et al.</b>		Filing Date <b>07/07/2003</b>	Group Art Unit



*EXAMINER INITIAL	OTHER DOCUMENTS	(Including Author, Title, Date, Pertinent Pages, Etc.)
NW	OO	Okamoto, N., Uchida, A., Kenji, T., Yoshitaka, K., Hideharu, K., Rittinen, L., Koistinen, R., Seppälä, M., Mori, T. Suppression by human placental protein 14 of natural killer cell activity. Am. J. Reprod. Immunol. 26: 137-142, 1991.
MP	PP	Park, J.H., Lee, J.M. and Chung, I.S., Production of Recombinant Endostatin from Stably Transformed Drasophila Melanogaster S2 Cells. Biotechnology Lett. 21:729-733, 1999
NW	QQ	Petersen, J. F., McIntire, L. V., and Papoutsakis, E. T., Shear sensitivity of cultured hybridoma cells (CRL-8018) depends on mode of growth, culture age and metabolite concentration. J. Biotechnol. 7: 229-246, 1988.
NW	RR	Pockley, A.G. and Bolton, A.E. Placental protein 14 (PP14) inhibits the synthesis of interleukins-2 and the release of soluble interleukins 2 receptors from phytohemagglutinin-stimulated lymphocytes. Clin. Exp. Immunol. 77: 252-256, 1989.
NW	SS	Pockley, A.G. and Bolton, A.E., The Effect of Human Placenta Protein 14 (PP14) on the Production of Interleukin 1 from Mitogenically Stimulated Mononuclear Cell Cultures. Immun. 69:277-281, 1990.
NW	TT	Pockley, A.G., Mowles, E.A., Stoker, R.J., Westwood, O.M.R., Chapman, M.G., and Bolton, A.E. Suppression of in vitro lymphocyte reactivity to phytohemagglutinin by placental protein 14. J. Reprod. Immunol. 13: 31-39, 1988.
NW	UU	Sambrook, J., Fritsch, E.F., and Maniatis, T. Molecular Cloning: A Laboratory Manual, 2nd Edition, Cold Spring Harbor Laboratory press, 1989.
NW	XX	Tsao, Y.D., Goodwin, T.J., Wolf, D.A., and Spaulding, G.F. Responses of Gravity Level Variations on the NASA/JSC Bioreactor System. Proceedings of the 13th Annual Meeting of the IUPS Commission on Gravitational Physiology. San Antonio, Physiologist 35 (1 Suppl.): S49-S50, 1992.
NW	YY	Unsworth, B.R. and Lelkes, P.I., Growing tissues in microgravity. Nature Medicine 4(8): 901-907, 1998.

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